

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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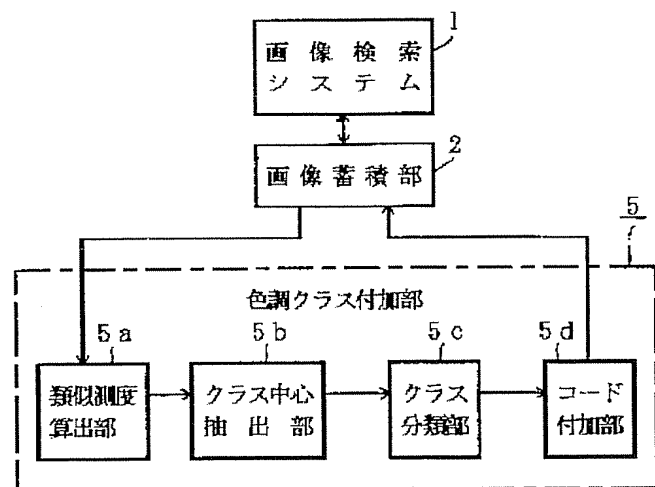
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APPLICATION NUMBER : 04086759

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : MIKI TOMOKO;

INT.CL. : G06F 15/40 G06F 15/66 G06F 15/68

TITLE : RETRIEVAL DEVICE FOR SIMILAR  
TONE OF PICTURE



ABSTRACT : PURPOSE: To judge the similarity of a tone between pictures without the aid of a judge by constituting the tone of the picture as a key color vector and judging the similarity of the key color vector by means of the calculation result of similarity measures.

CONSTITUTION: The key color vector added to the picture is read from a picture accumulation part 2, and it is inputted to a similarity measurement calculation part 5a. For the key color vector, the similarity measures between the key color vectors as to all the combinations of the vectors are calculated. A class center extraction part 5b selects a class where the similarity measure is the smallest, namely, a class which bears no similarity, among all the similarity measures obtained in the similarity measure calculation part 5a as a class center. Then, the vector where the values of the similarity measures with the vector of the initial class center are small is selected, and the vector which does not become the class center is classified so that it belongs to the class of the class center taking the largest value among the values of the similarity measures with the respective class centers in a class classification part 5c.

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